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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/845,985	04/30/2001	Benjamin Chaloner-Gill	N19.12-0047	2942
24113	7590 01/30/2003			
PATTERSON, THUENTE, SKAAR & CHRISTENSEN, P.A.			EXAMINER	
80 SOUTH 8T	4800 IDS CENTER 80 SOUTH 8TH STREET		RUTHKOSKY, MARK	
MINNEAPOLIS, MN 55402-2100			ART ÛNIT	PAPER NUMBER
			1745	
			DATE MAIL ED: 01/20/2002	DATE MAIL ED: 01/20/2002

Please find below and/or attached an Office communication concerning this application or proceeding.



		#S-6				
	Application N .	Applicant(s)				
6	09/845,985	CHALONER-GILL ET AL.				
Office Action Summary	Examiner	Art Unit				
	Mark Ruthkosky	1745				
The MAILING DATE of this c mmunication app Period for Reply	pears on the c ver sheet with	the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a repl If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).  Status	36(a). In no event, however, may a reply within the statutory minimum of thirty (will apply and will expire SIX (6) MONTHE, cause the application to become ABA	ly be timely filed  30) days will be considered timely.  IS from the mailing date of this communication.  NDONED (35 U.S.C. § 133).				
1) Responsive to communication(s) filed on 03.5	September 2002 .					
2a) This action is <b>FINAL</b> . 2b) Th	nis action is non-final.					
3) Since this application is in condition for allows closed in accordance with the practice under						
Disposition of Claims						
4) Claim(s) 1-47 is/are pending in the application						
4a) Of the above claim(s) is/are withdra	wn from consideration.					
·	5) Claim(s) is/are allowed.					
<u> </u>	Claim(s) is/are rejected.					
7) Claim(s) is/are objected to.	alastian raquiram ant					
8) Claim(s) <u>1-47</u> are subject to restriction and/or Application Papers	election requirement.					
9) The specification is objected to by the Examine	er.					
10) The drawing(s) filed on is/are: a) acce		e Examiner.				
Applicant may not request that any objection to th	e drawing(s) be held in abeyan	ce. See 37 CFR 1.85(a).				
11)☐ The proposed drawing correction filed on	_ is: a)□ approved b)□ dis	approved by the Examiner.				
If approved, corrected drawings are required in reply to this Office action.						
12) The oath or declaration is objected to by the Ex	kaminer.					
Priority under 35 U.S.C. §§ 119 and 120						
13) Acknowledgment is made of a claim for foreign	n priority under 35 U.S.C. §	119(a)-(d) or (f).				
a) All b) Some * c) None of:						
<ol> <li>Certified copies of the priority document</li> </ol>	s have been received.					
2. Certified copies of the priority document	s have been received in App	olication No				
<ul> <li>3. Copies of the certified copies of the prio application from the International Bu</li> <li>* See the attached detailed Office action for a list</li> </ul>	reau (PCT Rule 17.2(a)).	•				
14) Acknowledgment is made of a claim for domesti	ic priority under 35 U.S.C. §	119(e) (to a provisional application).				
<ul> <li>a)  The translation of the foreign language pro</li> <li>15)  Acknowledgment is made of a claim for domest</li> </ul>	• •					
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) _	5) Notice of Infe	mmary (PTO-413) Paper No(s) ormal Patent Application (PTO-152) .				
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## **Election/Restrictions**

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
  - Claims 1-15 and 21, drawn to a collection of particles, classified in class 423, subclass 311.
  - II. Claims 1 and 16-20, drawn to a battery, classified in class 429, subclass 231.1.
  - III. Claims 22-45, drawn to a method of producing particles, classified in class 75, subclass 348 or 367.
  - IV. Claims 46-47, drawn to a method of coating a substrate, classified in class 205, subclass 137.

The inventions are distinct, each from the other because of the following reasons:

- 2. Inventions I and II are related as subcombinations disclosed as usable together in a single combination. The battery includes an anode and a cathode. The cathode includes the particles of invention I. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention I has separate utility such as particles for catalysis. The second invention, the battery, can be used to produce electricity. See MPEP § 806.05(d).
- 3. Inventions I and II are also related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the limitations of particle sizes, stochiometry and elements are not required in

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the combination. The subcombination has separate utility such as chemical particles for various reactions.

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- 4. Inventions I and III are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case, the particles may be made by another process such as sputtering or grinding.
- 5. Inventions III and IV are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the different inventions, have different functions and different effects. Although the methods include similar steps, the methods are to making a particle and to coating a substrate. In the process of making a particle, there is not coating of a substrate necessary in the process.
- 6. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.
- 7. Because these inventions are distinct for the reasons given above and the search required for each group is not required for the other groups, restriction for examination purposes as indicated is proper.
- 8. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

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9. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143). Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

## Examiner Correspondence

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1193. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark Ruthkosky whose telephone number is 703-305-0587. The examiner can normally be reached on FLEX schedule (generally, Monday-Thursday from 9:00-6:00.) If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached at 703-308-2383.

The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9310 for regular communications and 703-872-9311 for After Final communications.

Mark Ruthkosky

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Mul tuthy Patent Examiner

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